802.11g Wireless PCMCIA Adapter

Complying with the 802.11g standard, the WL-3565 provides a faster wireless connection for laptop users who access network resources. Moreover, the WL-3565 supports specific ways to increase the data transfer rate at a time, compressing the data and decreasing the waiting time to send the next data to the Routers or APs. This feature is called Turbo Mode. When the card is connecting to the Routers or APs with the proprietary Turbo Mode feature, the wireless network will be more effective.

For WLAN security issues, the WL-3565 supports 64/128-Bit WEP data encryption that protects your wireless network from eavesdropping. It also supports WPA (Wi-Fi Protected Access) feature that combines IEEE 802.1x and TKIP (Temporal Key Integrity Protocol) technologies. Client users are required to authorize before accessing to APs or AP Routers, and the data transmitted in the network is encrypted/decrypted by a dynamically changed secret key. Furthermore, this card supports WPA2 function. WPA2 provides a stronger encryption mechanism through AES (Advanced Encryption Standard), which is a requirement for corporate and government users.

The WL-3565 supports WMM. WMM (Wi-Fi Multi-Media) is a new technology that can grant higher priorities to multimedia data traffics, thus meet the bandwidth requirement for special applications.

It support most operating systems such as Windows98SE/Me/2000/XP/Server 2003 and offers greater scalability and usability, making the device a perfect choice for users who are getting tired of running cables or in constant need of wireless access.

KEY FEATURE

- IEEE 802.11b/g standard compliant

- Supports Turbo mode to enhance the data transfer speed (the connected AP must support Turbo mode as well)

- Supports WMM (WiFi Multi-Media) function to meet the multi-media data bandwidth requirement (the connected AP and the application must support WMM as well)

- Utilization of Direct Sequence Spread Spectrum plus OFDM modulation to provide a robust, interference-resistant solution in a multi-user environment

- Supports 64/128-Bit WEP, WPA (TKIP with IEEE 802.1x), WPA2 (AES with IEEE 802.1x) functions for high level of security

- Supports Ad-Hoc/Infrastructure

- Supports of most popular operating systems including Windows 98SE/Me/2000/XP and Server 2003

- Plug-and-Play installation

- Supports Power Save mode

Data Sheet

SPECIFICATION

Product	802.11g Wireless PCMCIA Adapter

Model	WL-3565
Interface	Complaint with 32Bit CardBus standard
Standards Conformance	Compliant with 802.11b/802.11g
Data Transfer Rate	11b: 1/2/5.5/11Mbps (auto sensing)
	11g: 6/9/12/18/24/36/48/54Mbps (auto sensing)
Operating Mode	Infrastructure Mode, Ad-Hoc Mode
Security	WEP 64/128Bit, WPA, WPA2
RF Modulation	11g: OFDM with BPSK, QPSK, 16-QAM, 64QAM
	11b: BPSK, QPSK, CCK
Media Access Protocol	CSMA/CA
Output Power	18dBm (Max)
LED Indicators	ACT, LNK
Operating systems	Windows 98/Me/2000/XP/Server 2003
Environmental & Mechanical Characteristics	
Temperature	Operating: 0 ~ 55 Degree C
	Storage: -20 ~ 70 Degree C
Operating Humidity	Operating: 10% to 90% Non-Condensing
	Storage: 5% to 95% Non-Condensing
Dimensions (L x W x H)	118 x 54 x 5 mm
Weight	30g
Certifications	FCC, CE

APPLICATIONS

Infrastructure

For some environments with limitations on running Ethernet cables around, simply install the WL-3565 on your desktop or laptop, and users thus can get connected to the wired Ethernet through a wireless access point to access the network resources within the coverage of wireless signals. The installation of multiple access points to enlarge the coverage of wireless signals and can ensure seamless network access for mobile users.

Ad-Hoc

Need connecting several desktop PC or notebooks wirelessly? Configuring all the wireless adapters to Ad-Hoc mode without wireless access point is the easiest and costly way to meet this demand.

ORDERING INFORMATION

WL-3565	802.11g Wireless PCMCIA Adapter

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